Saw Bench Owners Manual

Giving you Productivity

- HBS50 ☐
- HBS100H ☐
- HBS100B ☐
- HBS120H ☐
- HBS120B ☐
- HBS160—PTO ☐
- HBS180 ☐

1800 888 114

HIMAC

HIMAC BENCH SAW
OPERATING INSTRUCTIONS

SECTION 1

Before attempting to operate saw, please check the following:

- All guards are in place and secure.
- Machine is on level ground.
- Blade is in good condition.
- Blade securing nut is tight.
- Belts are not worn or cracked.
- Check the fuel and oil of engine.
- Check all nuts and bolts to make sure they are tight.
- Inflate tyres to correct tyre pressure (20psi)

SECTION 2

Procedure for starting manual start engines.

- Make sure bench is in open position.
- Turn on kill switch and fuel.
- Turn choke on and give ¼ throttle.
- Lift motor plate to release tension on belts-use brackets.
- Pull start cord to start engine.
- When engine is running, turn off choke.
- Slowly lower engine so belts tighten and turn shaft.
- Increase revs on engine.
- Do not exceed 1000rpms shaft speed.

SECTION 3

While operating saw, observe the following procedures:

- Always wear safety glasses.
- Always wear ear protection.
- Always wear protective clothing.
- Always cut straight logs.
- Always push bench with one hand on handle and the other on log.
- Keep both hands on left hand side of the blade at all times.
- Keep hands at least 200mm away from blade.
- Do not touch any moving parts while machine is operating.
- Do not leave machine running unattended.
- Do not allow logs to pile higher than ¾ of the wheel height.
- Always keep operating area clear.
- Do not allow an untrained or unskilled person to operate.
- If severe vibrations occur, shut machine down and do not operate.
- Do not cut logs that are shorter than 300mm.
- Do not cut logs that are smaller than 2" (50mm) diameter.
- Do not move machine while it is operating.
- Do not cut steel objects such as nails, bolts or wire left on timber.

SECTION 4

When shutting down engine:

- Slow engine down to idle before turning off kill switch.
- Secure the table in the closed position before transporting.
- Keep machine covered when not in use.

SECTION 5

General:

- Grease bearings annually only using 1-2 pumps.
- Table is adjusted to open position by using the chain lengths behind table.
- Table is best situated approximately 25mm (1") in front of blade.

YOUR SAFETY IS OUR PRIORITY

PTO DRIVE MACHINES

Please note: PTO shaft must be disconnected before raising machine or damage could result to the shaft and/or gearbox.

Once sawbench is coupled to three point linkage you may need to adjust shaft length. This must be measured and cut with machine lowered to working position.

Make sure that there is no less than 100mm of shaft overlapping each other when it is connected to PTO.

Remember to attach safety chain from cover to frame.

PTO speed to machine should be 475 rpm.
('L' box is 1-1.91 ratio. Blade should run at 900 rpm)

OPERATION INSTRUCTIONS

SIZING PTO SHAFT

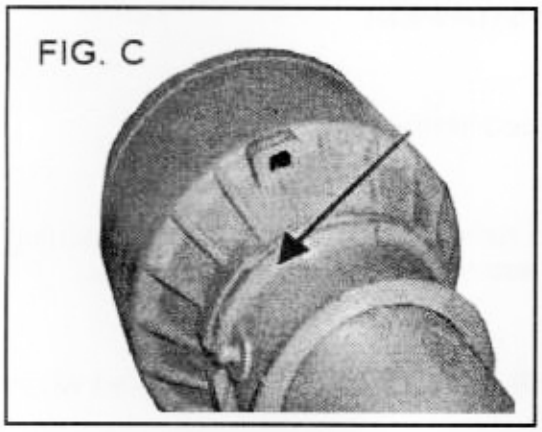

Figure 1-A

STEP 1

Cutting the PTO shaft to length. NOTE: Be sure to cut equal lengths of each PTO shaft section. Clamp end of PTO shaft in a vice and cut off shield where marked.

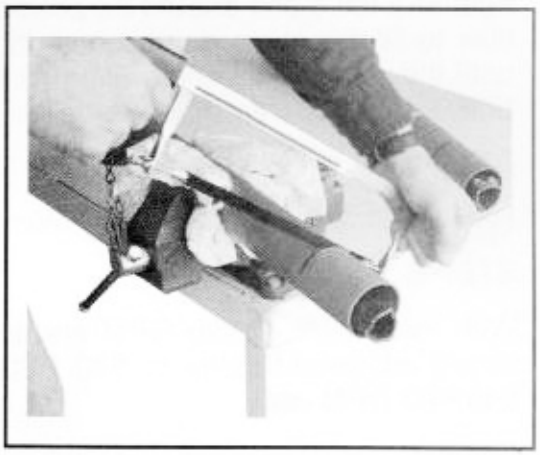

Figure 1-B

STEP 2

Using cut section of the shield as a guide cut shaft off the same amount.

STEP 3

Repeat step 1 and 2 for other PTO shaft section.

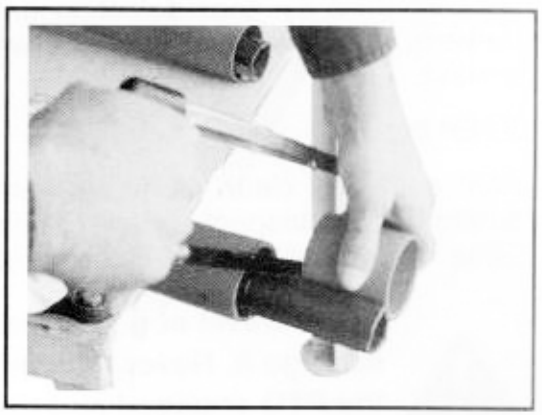

Figure 1-C

STEP 4

Use a file to deburr PTO shafts. Clean up all chips, burrs and filings from both ends of the PTO shaft.

HIMAC INDUSTRIES
HBS 50, 100, 140, 160 & KOB Firewood Docking Saws
RISK ASSESSMENT

HAZARD	DANGERS YOU MAY BE EXPOSED TO	LEVELOF DANGER	POSSIBILITY OF PERSONEL INJURY	CONSEQUENCES IF INJURY OCCURS	MEASURES IN PLACE TO CONTROL OR AVOID HAZARD
OPERATIING THE MACHINE	Exposed and moving blade can cut fingers and hands	MEDIUM	MEDIUM	Possibility of Bruising, Laceration, Squashing, Amputation or Fingers and hand.	Appropriate Personal Protective Equipment (PPE) to be worn. Under no circumstances should the operator climb onto the machine with the engine running. Stop the engine before attempting cleaning, maintenance or adjustment. Clear and definitive Safety Hazard signs. Machine is simple and uncomplicated to operate. Blade control is clearly and appropriately identified. Emergency stop control is clearly and appropriately identified. All other controls are clearly and appropriately identified. The speed of travel of blade is relatively slow for distance traveled. Controls are positioned so that they can only be under the control of the operator(i.e. no one else can interfere). Machine is appropriately guarded to protect operators and bystanders.
	Flying objects from blade	MEDIUM	MEDIUM	Possibility of dust in Eyes and face.	Appropriate PPE to be worn. (Glasses) Operator training and associated safety issues have been well addressed by administrative control in the operators manual. Machine is appropriately guarded to protect operators and bystanders.
	Falling blocks from trough	MEDIUM	MEDIUM	Possibility of bruising, laceration to fingers, hands or arms of operators.	Appropriate PPE to be worn (Gloves) Clear and definitive Safety Hazard signs. Responsibility for the safety of operator lies with the operator’s understanding of training procedures, administrative controls and attention diligence to work practices.

	FATIGUE from overwork	MEDIUM	MEDIUM	Possibility of severe bruising, laceration, squashing or amputation of fingers, hands or arms of operator.	Appropriate PPE to be worn (Gloves) Do not continue to operate if fatigues. Operator training and associated safety issues have been well addressed by administrative control in the operator's manual.
	Associated body strains	VERY LOW	VERY LOW	Remote possibility of body strain, soreness in arms or back.	Machine is simple and uncomplicated to operate.
	Operators getting splinters in hand	LOW	LOW	Minor possibility of splinter stuck in hands or fingers.	Appropriate PPE to be worn (Gloves)
	Tripping over blocks in work area	LOW	LOW	Minor possibility of bruises, sprains or fractures.	Operator to keep work are free from obstacles i.e. practice good house-keeping. See operator's manual.
SUMMARY	Due to the arduous nature of this job risk to the operator from the rotating blade and associated blocks of timber, We recommend that the operator has read and understood training procedures, because the full responsibility for the safety of the operator lies with their understanding of the administrative controls (correct training and operation procedures) and their attention and diligence to their work practices.				
ENGINE	Noise	LOW	LOW	Hearing Loss	Appropriate PPE to be worn. Hearing protection stickers fitted to the machine. Engine meets emission standards
	Hot exhaust	VERY LOW	VERY LOW	Burns to body parts	Operator not working in vicinity of exhaust
	Exhaust Fumes	VERY LOW	VERY LOW	Nausea/fainting	Use in open air. Exhaust faces away from operator.
	Rotating parts	NONE	NONE		All rotating parts covered prevent any contact with body parts.
	Refueling hot engine	LOW	LOW	Burns to hands or body parts	Wait until engine cools down before refueling. Avoid spilling fuel. Read engine manual . Engine manual supplied with machine explains engine operating procedures and associated hazards more concisely.
SUMMARY	Engine poses no obvious risk to operator or bystanders.				
HYDRAULICS (if part of machine)	Contact with high-pressure oil from burst hose.	LOW	LOW	Operator's clothes and exposed skin in contact with oil.	Appropriate PPE to be worn (hearing & eye protection,boots,gloves,protective clothing) All new hydraulic components are used in the manufacture of Super Rex Firewood Processors. All hydraulic hoses are double wire rated. The Firewood Processor system operates at max 2500psi therefore giving plenty of margin for safety. All hoses are routed to eliminate any rubbing or kinking type damage.

	Burns from contact with oil Rotating Parts	VERY LOW NONE	VERY LOW NONE		The individual relief valves on all machines are set at the factory and the system is tested for leaks at peak pressure. It is the nature of this machine that the oil will not heat up enough to burn if contact is made with it. All rotating parts are enclosed preventing any contact with body parts.
SUMMARY	Hydraulic system poses no obvious risk to operator or bystanders				
TOWING MANOUVERING (Work site only)		VERY LOW	VERY LOW		Use suitable tow vehicle Always use wheel chocks supplied with machine Large wheels fitted for safe towing and easy maneuvering
SUMMARY	Towing or maneuvering the machine poses no obvious risk to operator, bystanders or other site users if guidelines in manual are followed.				
MAINTENANCE		NONE	NONE		It is recommended in the manual that the engine is stopped before any maintenance is performed. Read and understand engine and operators manual before performing maintenance on the engine and machine. Operator training and associated safety issues have been well addressed by administrative control in the operator's manual.
SUMMARY	Maintenance procedures pose no obvious threat to operator or bystanders. The machine is designed to be very simple to maintain with a minimum of tools and expertise required				
CONSTRUCTION		VERY LOW	VERY LOW		The machine is reliable, well engineered and constructed and poses no risk to the operator from it being, breaking or becoming unused. All new materials and components are used in the construction. A quality control checklist is done for each machine before it leaves the factory.
SUMMARY	Construction poses no obvious risks to operator or bystanders				
ELEVATOR (if part of machine)	Rotating belt can create jam points for fingers. Elevator winch failing or chain breaking and elevator falling to ground.	MEDIUM LOW	MEDIUM MEDIUM	Entanglement Causing bruising, lacerations, squashing, amputation of fingers or hand. Fractures, broken bones serious injury or death.	It is highly impractical to guard the underneath of the elevator where the belt is exposed. We recommend in the manual that you keep yourself and others well clear from the elevator at all times. Elevator control stoop lever is clearly and suitably signed and located conveniently beside the operator. We recommend in the manual that you keep yourself and others well clear from the elevator at all times.
SUMMARY	Elevator poses minimal risks to operator and bystanders. We recommend that operator has read and understood training procedures. If the elevator is in the operating position or you are moving it, keep yourself and well clear especially from underneath the elevator.				

WARRANTY

HIMAC INDUSTRIES warrants the original purchaser that this product shall be free of defects in materials and workmanship under normal use and service for the period of 12 months from date of dispatch.
The purchaser's use of the product must conform to the instructions given in this manual.
The warranty will be voided if the product is damaged by accident, or unreasonable use negligence, improper service or other cause not arising out of defects in materials or workmanship.

HIMAC will not be responsible for any damages or injury to persons or property resulting from any attempt by the purchaser or by an unauthorized person to repair, adjust or otherwise tamper with the product or its controls or components.
Excluded from this warranty are all the components not manufactured by HIMAC.
These items are covered only by standard warranties of the manufacturers of those items.

The exclusive remedy to the purchaser in the event that the product does not meet its express warranty shall be the repair or the replacement of the product at the option of HIMAC without charge to the purchaser when the product is returned to
HIMAC INDUSTRIES or designated location advised by HIMAC.

HIMAC shall not be responsible for any incidental or consequential damages if this product is defective or does not conform to any expressed or implied warranty.

NO ONE IS AUTHORISED TO ALTER OR TAMPER WITH THIS MACHINE WITHOUT THE WRITTEN PERMISSION FROM THE MANUFACTURER.

MODEL CODE OF MACHINE…….....

FRAME NUMBER…….

MOTOR TYPE…….SERIAL #.....

DESPATCH DATE…….